

```

=> file biosis caba caplus embase lifesci medline scisearch
=> e jacobs antonius a/au
E1      3      JACOBS ANTON/AU
E2      16     JACOBS ANTON A C/AU
E3      0 --> JACOBS ANTONIUS A/AU
E4      1      JACOBS ANTONIUS A C/AU
E5      12     JACOBS ANTONIUS ARNOLDUS CHRISTIAAN/AU
E6      1      JACOBS ARHUR M/AU
E7      1      JACOBS ARLENE/AU
E8      2      JACOBS ARLENE F/AU
E9      3      JACOBS ARMAND MUELLER/AU
E10     4      JACOBS ARMAND MULLER/AU
E11     12     JACOBS ARNE/AU
E12     1      JACOBS ARNOLD/AU
=> s e1-e5
L1      32  ("JACOBS ANTON"/AU OR "JACOBS ANTON A C"/AU OR "JACOBS ANTONIUS
          A"/AU OR "JACOBS ANTONIUS A C"/AU OR "JACOBS ANTONIUS ARNOLDUS
          CHRISTIAAN"/AU)
=> dup rem 11
PROCESSING COMPLETED FOR L1
L2      24 DUP REM L1 (8 DUPLICATES REMOVED)
=> d 1-
YOU HAVE REQUESTED DATA FROM 24 ANSWERS - CONTINUE? Y/(N):y

L2      ANSWER 1 OF 24 CAPLUS COPYRIGHT 2009 ACS on STN
AN      2006:1225852 CAPLUS <<LOGINID::20090421>>
DN      146:26334
TI      Pasteurella multocida live attenuated vaccine
IN      Luo, Yugang; Vermeij, Paul; ***Jacobs, Antonius Arnoldus Christiaan***
PA      Intervet International B.V., Neth.
SO      PCT Int. Appl., 31pp.
          CODEN: PIXXD2
DT      Patent
LA      English
FAN.CNT 1
          PATENT NO.      KIND      DATE      APPLICATION NO.      DATE
          -----      ----      -----      -----      -----
PI      WO 2006122586      A1      20061123      WO 2005-EP56995      20051221
          W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
          CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
          GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
          KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,
          MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
          SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
          VN, YU, ZA, ZM, ZW
          RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
          IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
          CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
          GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
          KG, KZ, MD, RU, TJ, TM
AU      2005331860      A1      20061123      AU 2005-331860      20051221
CA      2591624      A1      20061123      CA 2005-2591624      20051221
EP      1831248      A1      20070912      EP 2005-857856      20051221
          R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
          IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR
CN      101087803      A      20071212      CN 2005-80044494      20051221
JP      2008523840      T      20080710      JP 2007-547497      20051221

```

MX 2007007570 A 20070724 MX 2007-7570 20070621  
IN 2007CN02702 A 20070907 IN 2007-CN2702 20070621  
KR 2007092290 A 20070912 KR 2007-716568 20070719  
PRAI US 2004-639447P P 20041222  
WO 2005-EP56995 W 20051221  
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 24 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN  
DUPLICATE 1  
AN 2006:487007 BIOSIS <>LOGINID::20090421>>  
DN PREV200600482709  
TI Immunization with the biologically active lectin domain of PapGII induces strong adhesion-inhibiting antibody responses but no protection against avian pathogenic Escherichia coli.  
AU Vandemaele, Frederic [Reprint Author]; Bleyen, Nele; Abuaboud, Omran; VanderMeer, Ed; \*\*\*Jacobs, Anton\*\*\* ; Goddeeris, Bruno M.  
CS Catholic Univ Louvain, Fac Biosci Engn, Lab Livestock Physiol and Immunol, Kasteelpk Arenberg 30, B-3001 Heverlee, Belgium  
Frederic.vandemaele@gmail.com  
SO Avian Pathology, (JUN 2006) Vol. 35, No. 3, pp. 238-249.  
CODEN: AVPADN. ISSN: 0307-9457.  
DT Article  
LA English  
ED Entered STN: 27 Sep 2006  
Last Updated on STN: 27 Sep 2006

L2 ANSWER 3 OF 24 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN  
AN 2006:243704 BIOSIS <>LOGINID::20090421>>  
DN PREV200600251697  
TI Lawsonia intracellularis vaccine.  
AU \*\*\*Jacobs, Antonius Arnoldus Christiaan\*\*\* [Inventor]; Vermeij, Paul [Inventor]  
CS Kessel, Netherlands  
ASSIGNEE: Akzo Nobel N.V.  
PI US 06921536 20050726  
SO Official Gazette of the United States Patent and Trademark Office Patents, (JUL 26 2005)  
CODEN: OGUPE7. ISSN: 0098-1133.  
DT Patent  
LA English  
ED Entered STN: 26 Apr 2006  
Last Updated on STN: 26 Apr 2006

L2 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2005:607098 CAPLUS <>LOGINID::20090421>>  
TI Combination vaccine for poultry  
IN \*\*\*Jacobs, Antonius Arnoldus Christiaan\*\*\* ; Van, Empel Paul  
Cornelius Maria; Nuijten, Petrus Johannes Maria  
PA Akzo Nobel N.V., Neth.; Van Empel, Paul Cornelius Maria  
SO PCT Int. Appl.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	-----	-----	-----	-----

PI	WO 2005063284	A1	20050714	WO 2004-EP53623	20041221
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA	2550923	A1	20050714	CA 2004-2550923	20041221
EP	1699483	A1	20060913	EP 2004-804958	20041221
EP	1699483	B1	20090311		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
BR	2004017880	A	20070427	BR 2004-17880	20041221
JP	2007518717	T	20070712	JP 2006-546172	20041221
AT	424844	T	20090315	AT 2004-804958	20041221
US	20090053262	A1	20090226	US 2006-582315	20060608
PRAI	EP 2003-104954	A	20031223		
	WO 2004-EP53623	W	20041221		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 5 OF 24 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2005:423701 CAPLUS <<LOGINID::20090421>>  
DN 142:462689  
TI Antibodies against Campylobacter and complement for decontamination of biological tissue such as meat.  
IN Segers, Ruud Philip Antoon Maria; \*\*\*Jacobs, Antonius Arnoldus\*\*\*  
\*\*\* Christiaan\*\*\*  
PA Akzo Nobel N. V., Neth.  
SO PCT Int. Appl., 16 pp.  
CODEN: PIXXD2  
DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005044012	A2	20050519	WO 2004-EP52463	20041007
	WO 2005044012	A3	20071221		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, AP, EA, EP, OA				
PRAI	EP 2003-78157	A	20031008		

L2 ANSWER 6 OF 24 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN

AN 2004:406193 BIOSIS <<LOGINID::20090421>>  
DN PREV200400411358  
TI Campylobacter vaccine.  
AU \*\*\*Jacobs, Antonius Arnoldus Christiaan\*\*\* [Inventor, Reprint Author]; van den Bosch, Johannes Franciscus [Inventor]; Nuijten, Petrus Johannes Maria [Inventor]  
CS Kessel, Netherlands  
ASSIGNEE: Akzo Nobel, NV, Arnhem, Netherlands  
PI US 6790446 20040914  
SO Official Gazette of the United States Patent and Trademark Office Patents, (Sep 14 2004) Vol. 1286, No. 2.  
http://www.uspto.gov/web/menu/patdata.html. e-file.  
ISSN: 0098-1133 (ISSN print).  
DT Patent  
LA English  
ED Entered STN: 20 Oct 2004  
Last Updated on STN: 20 Oct 2004

L2 ANSWER 7 OF 24 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN  
AN 2004:397973 BIOSIS <<LOGINID::20090421>>  
DN PREV200400402440  
TI Campylobacter vaccine.  
AU \*\*\*Jacobs, Antonius Arnoldus Christiaan\*\*\* [Inventor, Reprint Author]; van den Bosch, Johannes Franciscus [Inventor]; Nuijten, Petrus Johannes Maria [Inventor]  
CS Kessel, Netherlands  
ASSIGNEE: Akzo Nobel N. V., Arnhem, Netherlands  
PI US 6787137 20040907  
SO Official Gazette of the United States Patent and Trademark Office Patents, (Sep 7 2004) Vol. 1286, No. 1. http://www.uspto.gov/web/menu/patdata.html. e-file.  
ISSN: 0098-1133 (ISSN print).  
DT Patent  
LA English  
ED Entered STN: 13 Oct 2004  
Last Updated on STN: 13 Oct 2004

L2 ANSWER 8 OF 24 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN  
DUPLICATE 2  
AN 2003:387275 BIOSIS <<LOGINID::20090421>>  
DN PREV200300387275  
TI Efficacy of a new tetravalent coryza vaccine against emerging variant type B strains.  
AU \*\*\*Jacobs, Anton A. C.\*\*\* [Reprint Author]; van den Berg, Karin; Malo, Aris  
CS Intervet International BV, 5830 AA, P.O. Box 31, Boxmeer, Netherlands  
Ton.Jacobs@Intervet.com  
SO Avian Pathology, (June 2003) Vol. 32, No. 3, pp. 265-269. print.  
CODEN: AVPADN. ISSN: 0307-9457.  
DT Article  
LA English  
ED Entered STN: 20 Aug 2003  
Last Updated on STN: 20 Aug 2003

L2 ANSWER 9 OF 24 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2002:503432 CAPLUS <<LOGINID::20090421>>  
DN 137:77871

TI Cloning of genes for novel *Lawsonia intracellularis* outer membrane proteins and their use in preparing vaccines for porcine proliferative enteropathy

IN \*\*\*Jacobs, Antonius A. C.\*\*\* ; Vermeij, Paul  
PA Akzo Nobel N.V., Neth.; Intervet International BV  
SO Eur. Pat. Appl., 26 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1219711	A2	20020703	EP 2001-204919	20011214
	EP 1219711	A3	20021106		
	EP 1219711	B1	20060614		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	EP 1586646	A2	20051019	EP 2005-104073	20011214
	EP 1586646	A3	20070801		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
	AT 330013	T	20060715	AT 2001-204919	20011214
	ES 2266090	T3	20070301	ES 2001-204919	20011214
	CA 2365494	A1	20020620	CA 2001-2365494	20011218
	JP 2003000276	A	20030107	JP 2001-385373	20011219
	JP 4237960	B2	20090311		
	HU 2001005379	A2	20030128	HU 2001-5379	20011219
	HU 2001005379	A3	20040728		
	AU 2001097371	A	20020627	AU 2001-97371	20011220
	AU 783210	B2	20051006		
	US 20050069559	A1	20050331	US 2001-34500	20011220
	US 6921536	B2	20050726		
	US 20050250150	A1	20051110	US 2005-180997	20050713
	US 7491401	B2	20090217		
PRAI	EP 2000-204660	A	20001220		
	EP 2001-204919	A3	20011214		
	US 2001-34500	A3	20011220		
	US 2005-102182	B3	20050408		

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 10 OF 24 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on  
STN

AN 2001:227306 BIOSIS <>LOGINID::20090421>>

DN PREV200100227306

TI *Streptococcus equi* vaccine.

AU \*\*\*Jacobs, Antonius Arnoldus Christiaan\*\*\* [Inventor, Reprint author]

CS Kessel, Netherlands

ASSIGNEE: Akzo Nobel N.V., Arnhem, Netherlands

PI US 6120775 20000919

SO Official Gazette of the United States Patent and Trademark Office Patents, (Sep. 19, 2000) Vol. 1238, No. 3. e-file.

CODEN: OGUPE7. ISSN: 0098-1133.

DT Patent

LA English

ED Entered STN: 9 May 2001

Last Updated on STN: 18 Feb 2002

L2 ANSWER 11 OF 24 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2000:723118 CAPLUS <<LOGINID::20090421>>  
 DN 133:295357  
 TI Campylobacter vaccine  
 IN \*\*\*Jacobs, Antonius Arnoldus Christiaan\*\*\* ; Van Den Bosch, Johannes  
     Franciscus; Nuijten, Petrus Johannes Maria  
 PA Akzo Nobel N.V., Neth.  
 SO Eur. Pat. Appl., 21 pp.  
 CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1043029	A1	20001011	EP 2000-201203	20000403
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2000351735	A	20001219	JP 2000-88054	20000328
	CA 2303722	A1	20001009	CA 2000-2303722	20000405
	AU 2000026406	A	20001012	AU 2000-26406	20000405
	AU 775752	B2	20040812		
	CN 1270061	A	20001018	CN 2000-104982	20000407
	CN 1170594	C	20041013		
	BR 2000001559	A	20010821	BR 2000-1559	20000407
	HU 2000001423	A2	20020629	HU 2000-1423	20000407
	HU 2000001423	A3	20050530		
	US 6787137	B1	20040907	US 2000-544683	20000407
	MX 2000003427	A	20041028	MX 2000-3427	20000407
	US 20030072766	A1	20030417	US 2002-192419	20020710
	US 6790446	B2	20040914		
PRAI	EP 1999-201086	A	19990409		
	US 2000-544683	A3	20000407		

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 12 OF 24 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2000:534821 CAPLUS <<LOGINID::20090421>>  
 DN 133:140191  
 TI Use of live attenuated bacteria for the manufacture of a submucosal  
     vaccine  
 IN \*\*\*Jacobs, Antonius Arnoldus Christiaan\*\*\* ; Goovaerts, Danny  
 PA Akzo Nobel N. V., Neth.  
 SO Eur. Pat. Appl., 7 pp.  
 CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1023903	A1	20000802	EP 2000-200216	20000120
	EP 1023903	B1	20040114		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	CA 2243730	A1	19990129	CA 1998-2243730	19980721
	EP 894500	A1	19990203	EP 1998-202512	19980727
	EP 894500	B1	20040630		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 11100329	A	19990413	JP 1998-210514	19980727
AT 270112	T	20040715	AT 1998-202512	19980727
PT 894500	T	20041029	PT 1998-202512	19980727
ES 2224331	T3	20050301	ES 1998-202512	19980727
HU 9801705	A2	19990528	HU 1998-1705	19980728
HU 9801705	A3	20011128		
HU 223762	B1	20050128		
JP 2000309542	A	20001107	JP 2000-11573	20000120
AT 257713	T	20040115	AT 2000-200216	20000120
PT 1023903	T	20040430	PT 2000-200216	20000120
ES 2214217	T3	20040916	ES 2000-200216	20000120
AU 761515	B2	20030605	AU 2000-13557	20000125
PRAI EP 1997-202365	A	19970729		
EP 1997-202925	A	19970924		
EP 1999-200202	A	19990126		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 13 OF 24 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on  
STN DUPLICATE 3

AN 2002:440077 BIOSIS <>LOGINID::20090421>>

DN PREV200200440077

TI DNA rearrangements in the Flagellin locus of an flaA mutant of  
Campylobacter jejuni during colonization of chicken ceca.

AU Nuijten, Piet J. M. [Reprint author]; van den Berg, Anton J. G.;  
Formentini, Ivan; Van der Zeijst, Bernard A. M.; \*\*\*Jacobs, Anton A.\*\*\*  
\*\*\* C.\*\*\*

CS Bacteriological R and D, Intervet International BV, 5830 AA, P.O. Box 31,  
Boxmeer, Netherlands  
Piet.nuijten@intervet.com

SO Infection and Immunity, (December, 2000) Vol. 68, No. 12, pp. 7137-7140.  
print.  
CODEN: INFIBR. ISSN: 0019-9567.

DT Article

LA English

ED Entered STN: 14 Aug 2002  
Last Updated on STN: 14 Aug 2002

L2 ANSWER 14 OF 24 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on  
STN

AN 1999:317652 BIOSIS <>LOGINID::20090421>>

DN PREV199900317652

TI Streptococcus equi vaccine.

AU Hartford, Orla Mary [Inventor, Reprint author]; Foster, Timothy James  
[Inventor]; \*\*\*Jacobs, Antonius Arnoldus Christiaan\*\*\* [Inventor]

CS Duleek, Ireland  
ASSIGNEE: Provost Fellows and Scholars of the College of the Univ. of the  
Holy

PI US 5895654 19990719

SO Official Gazette of the United States Patent and Trademark Office Patents,  
(19-JUL-99) Vol. 1221, No. 3. print.  
CODEN: OGUPE7. ISSN: 0098-1133.

DT Patent

LA English

ED Entered STN: 17 Aug 1999

Last Updated on STN: 17 Aug 1999

L2 ANSWER 15 OF 24 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on  
STN DUPLICATE 4  
AN 1998:510162 BIOSIS <>LOGINID::20090421>>  
DN PREV199800510162  
TI Characterisation of the gene encoding suilysin from *Streptococcus suis* and  
expression in field strains.  
AU Segers, Ruud P. A. M. [Reprint author]; Kenter, Tim; De Haan, Louise A.  
M.; \*\*\*Jacobs, Anton A. C.\*\*\*  
CS Intervet International BV, Dep. Bacteriological Res., P.O. Box 31, 5830 AA  
Boxmeer, Netherlands  
SO FEMS Microbiology Letters, (Oct. 15, 1998) Vol. 167, No. 2, pp. 255-261.  
print.  
CODEN: FMLED7. ISSN: 0378-1097.  
DT Article  
LA English  
ED Entered STN: 18 Dec 1998  
Last Updated on STN: 18 Dec 1998

L2 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 1995:372910 CAPLUS <>LOGINID::20090421>>  
DN 122:131159  
OREF 122:24475a,24478a  
TI Vaccine against *Streptococcus suis* infection  
IN \*\*\*Jacobs, Antonius Arnoldus Christiaan\*\*\*  
PA Akzo Nobel N.V., Neth.  
SO Eur. Pat. Appl., 19 pp.  
CODEN: EPXXDW  
DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 626452	A1	19941130	EP 1994-201295	19940509
	EP 626452	B1	19990811		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	AT 183241	T	19990815	AT 1994-201295	19940509
	ES 2137310	T3	19991216	ES 1994-201295	19940509
	US 5612042	A	19970318	US 1994-242406	19940513
	SK 281324	B6	20010212	SK 1994-563	19940513
	CZ 289302	B6	20011212	CZ 1994-1175	19940513
	TW 494103	B	20020711	TW 1994-83104343	19940513
	HU 69796	A2	19950928	HU 1994-1511	19940516
	HU 218154	B	20000628		
	PL 177219	B1	19991029	PL 1994-303482	19940516
	JP 07010774	A	19950113	JP 1994-103080	19940517
	JP 3578799	B2	20041020		
	GR 3031698	T3	20000229	GR 1999-402789	19991103
PRAI	EP 1993-201401	A	19930517		
	EP 1994-201295	A	19940509		

L2 ANSWER 17 OF 24 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on  
STN DUPLICATE 5  
AN 1994:272696 BIOSIS <>LOGINID::20090421>>  
DN PREV199497285696  
TI Identification, purification, and characterization of a thiol-activated

hemolysin (Suilysin) of *Streptococcus suis*.

AU     \*\*\*Jacobs, Anton A. C.\*\*\* [Reprint author]; Loeffen, Peter L. W.; Van Den Berg, Anton J. G.; Storm, Paul K.

CS     Intervet International B.V., P.O. Box 31, NL-5830 AA Boxmeer, Netherlands

SO     Infection and Immunity, (1994) Vol. 62, No. 5, pp. 1742-1748.  
CODEN: INFIBR. ISSN: 0019-9567.

DT     Article

LA     English

ED     Entered STN: 24 Jun 1994  
Last Updated on STN: 24 Jun 1994

L2     ANSWER 18 OF 24 CAPLUS COPYRIGHT 2009 ACS on STN  
AN     1987:629156 CAPLUS <>LOGINID::20090421>>  
DN     107:229156  
OREF  107:36623a,36626a  
TI     Peptide compositions for combatting diarrhea  
IN     De Graaf, Frits Karel; \*\*\*Jacobs, Antonius Arnoldus Christiaan\*\*\*  
PA     Vereniging voor Christelijk Wetenschappelijk Onderwijs, Neth.  
SO     PCT Int. Appl., 10 pp.  
CODEN: PIXXD2  
DT     Patent  
LA     English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8703485	A1	19870618	WO 1986-NL41	19861209
	W: JP, US				
	RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	NL 8503413	A	19870701	NL 1985-3413	19851211
	EP 248838	A1	19871216	EP 1986-906963	19861209
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 63501950	T	19880804	JP 1987-500023	19861209
PRAI	NL 1985-3413	A	19851211		
	WO 1986-NL41	W	19861209		

RE.CNT 1     THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2     ANSWER 19 OF 24 CAPLUS COPYRIGHT 2009 ACS on STN  
AN     1988:3114 CAPLUS <>LOGINID::20090421>>  
DN     108:3114  
OREF  108:607a,610a  
TI     Role of phenylalanine 150 in the receptor-binding domain of the K88 fibrillar subunit  
AU     \*\*\*Jacobs, Anton A. C.\*\*\* ; Roosendaal, Bert; Van Breemen, Jan F. L.; De Graaf, Frits K.  
CS     Dep. Microbiol., Vrije Univ., Amsterdam, 1081 HV, Neth.  
SO     Journal of Bacteriology (1987), 169(11), 4907-11  
CODEN: JOBAAY; ISSN: 0021-9193  
DT     Journal  
LA     English

L2     ANSWER 20 OF 24 CAPLUS COPYRIGHT 2009 ACS on STN  
AN     1987:572053 CAPLUS <>LOGINID::20090421>>  
DN     107:172053  
OREF  107:27547a,27550a  
TI     The role of lysine-132 and arginine-136 in the receptor-binding domain of the K99 fibrillar subunit

AU        \*\*\*Jacobs, Anton A. C.\*\*\* ; Simons, Bert H.; De Graaf, Frits K.  
CS        Dep. Microbiol., Vrije Univ., Amsterdam, 1081 HV, Neth.  
SO        EMBO Journal (1987), 6(6), 1805-8  
CODEN: EMJODG; ISSN: 0261-4189  
DT        Journal  
LA        English

L2        ANSWER 21 OF 24 CAPLUS COPYRIGHT 2009 ACS on STN  
AN        1987:152920 CAPLUS <<LOGINID::20090421>>  
DN        106:152920  
OREF      106:24861a,24864a  
TI        Inhibition of adhesive activity of K88 fibrillae by peptides derived from the K88 adhesin  
AU        \*\*\*Jacobs, Anton A. C.\*\*\* ; Venema, Jaap; Leeven, Ronald; Van Pelt-Heerschap, Hilde; De Graaf, Frits K.  
CS        Dep. Microbiol., Vrije Univ., Amsterdam, 1081 HV, Neth.  
SO        Journal of Bacteriology (1987), 169(2), 735-41  
CODEN: JOBAAY; ISSN: 0021-9193  
DT        Journal  
LA        English

L2        ANSWER 22 OF 24 CAPLUS COPYRIGHT 2009 ACS on STN  
AN        1986:548395 CAPLUS <<LOGINID::20090421>>  
DN        105:148395  
OREF      105:23835a,23838a  
TI        Localization of lysine residues in the binding domain of the K99 fibrillar subunit of enterotoxigenic Escherichia coli  
AU        \*\*\*Jacobs, Anton A. C.\*\*\* ; Van den Berg, Peter A.; Bak, Henk J.; De Graaf, Frits K.  
CS        Dep. Microbiol., Vrije Univ., Amsterdam, 1081 HV, Neth.  
SO        Biochimica et Biophysica Acta, Protein Structure and Molecular Enzymology (1986), 872(1-2), 92-7  
CODEN: BBAEDZ; ISSN: 0167-4838  
DT        Journal  
LA        English

L2        ANSWER 23 OF 24 CAPLUS COPYRIGHT 2009 ACS on STN  
AN        1986:18396 CAPLUS <<LOGINID::20090421>>  
DN        104:18396  
OREF      104:3089a,3092a  
TI        Effect of chemical modifications on the K99 and K88ab fibrillar adhesins of Escherichia coli  
AU        \*\*\*Jacobs, Anton A. C.\*\*\* ; Van Mechelen, Jan R.; De Graaf, Frits K.  
CS        Dep. Microbiol., Vrije Univ., Amsterdam, 1081 HV, Neth.  
SO        Biochimica et Biophysica Acta, Protein Structure and Molecular Enzymology (1985), 832(2), 148-55  
CODEN: BBAEDZ; ISSN: 0167-4838  
DT        Journal  
LA        English

L2        ANSWER 24 OF 24 CAPLUS COPYRIGHT 2009 ACS on STN  
AN        1985:217937 CAPLUS <<LOGINID::20090421>>  
DN        102:217937  
OREF      102:34131a,34134a  
TI        Production of K88, K99 and F41 fibrillae in relation to growth phase, and a rapid procedure for adhesin purification  
AU        \*\*\*Jacobs, Anton A. C.\*\*\* ; De Graaf, Frits K.

CS Dep. Microbiol., Vrije Univ., Amsterdam, 1081 HV, Neth.  
SO FEMS Microbiology Letters (1985), 26(1), 15-19  
CODEN: FMLED7; ISSN: 0378-1097  
DT Journal  
LA English

=> e empel paul/au  
E1 1 EMPEL P V/AU  
E2 14 EMPEL P VAN/AU  
E3 0 --> EMPEL PAUL/AU  
E4 2 EMPEL ROLAND/AU  
E5 70 EMPEL W/AU  
E6 8 EMPEL WOJCIECH/AU  
E7 1 EMPELEN P VAN/AU  
E8 1 EMPELEN PEPIJN/AU  
E9 1 EMPELEN PEPIJN VAN/AU  
E10 1 EMPELEN S/AU  
E11 1 EMPELMANN M/AU  
E12 3 EMPELMANN MARTIN/AU

=> s e1-e2  
L3 15 ("EMPEL P V"/AU OR "EMPEL P VAN"/AU)  
=> dup rem 13  
PROCESSING COMPLETED FOR L3  
L4 14 DUP REM L3 (1 DUPLICATE REMOVED)

=> d 1-  
YOU HAVE REQUESTED DATA FROM 14 ANSWERS - CONTINUE? Y/(N):y

L4 ANSWER 1 OF 14 CABA COPYRIGHT 2009 CABI on STN  
AN 2005:66282 CABA <<LOGINID::20090421>>  
DN 20053046858  
TI Diagnosis and incidence of *Ornithobacterium rhinotracheale* infections in commercial broiler chickens at slaughter  
AU Veen, L. van; Nieuwenhuizen, J.; Mekkes, D.; Vrijenhoek, M.; \*\*\*Empel, \*\*\*  
\*\*\* P. van\*\*\* ; van Veen, L.; van Empel, P.  
CS Animal Health Service, PO Box 9, 7400 AA Deventer, Netherlands.  
SO Veterinary Record, (2005) Vol. 156, No. 10, pp. 315-317. 11 ref.  
Publisher: British Veterinary Association. London  
ISSN: 0042-4900  
CY United Kingdom  
DT Journal  
LA English  
ED Entered STN: 6 May 2005  
Last Updated on STN: 6 May 2005

L4 ANSWER 2 OF 14 CABA COPYRIGHT 2009 CABI on STN  
AN 2005:123448 CABA <<LOGINID::20090421>>  
DN 20053113668  
TI Immunization with the binding domain of FimH, the adhesin of type 1 fimbriae, does not protect chickens against avian pathogenic *Escherichia coli*  
AU Vandemaele, F.; Verkerken, C.; Bleyen, N.; Geys, J.; D'Hulst, C.; Addwebi, T.; \*\*\*Empel, P. van\*\*\* ; Goddeeris, B. M.; van Empel, P.  
CS Laboratory of Physiology and Immunology of Domestic Animals, Faculty of

Applied Bioscience and Engineering, Catholic University Leuven,  
Kasteelpark Arenberg 30, 3001 Leuven, Belgium.  
Frederic.vandemaele@agr.kuleuven.ac.be

SO Avian Pathology, (2005) Vol. 34, No. 3, pp. 264-272. 32 ref.  
Publisher: Taylor & Francis. Basingstoke  
ISSN: 0307-9457  
URL: <http://taylorandfrancis.metapress.com/link.asp?id=102204>

CY United Kingdom  
DT Journal  
LA English  
ED Entered STN: 3 Aug 2005  
Last Updated on STN: 3 Aug 2005

L4 ANSWER 3 OF 14 CABA COPYRIGHT 2009 CABI on STN DUPLICATE 1  
AN 2005:85295 CABA <>LOGINID::20090421>>  
DN 20053068830  
TI Key role of Chlamydophila psittaci on Belgian turkey farms in association with other respiratory pathogens  
AU Loock, M. van; Geens, T.; Smit, L. de; Nauwynck, H.; \*\*\*Empel, P. van\*\*\* ; Naylor, C.; Hafez, H. M.; Goddeeris, B. M.; Vanrompay, D.; van Loock, M.; de Smit, L.; van Empel, P.  
CS Department of Animal Sciences, Catholic University of Leuven, Leuven, Belgium. Daisy.Vanrompay@ugent.be  
SO Veterinary Microbiology, (2005) Vol. 107, No. 1/2, pp. 91-101. 41 ref.  
Publisher: Elsevier. Amsterdam  
ISSN: 0378-1135  
URL: <http://www.sciencedirect.com/science/journal/03781135>

CY Netherlands Antilles  
DT Journal  
LA English  
ED Entered STN: 9 Jun 2005  
Last Updated on STN: 9 Jun 2005

L4 ANSWER 4 OF 14 CABA COPYRIGHT 2009 CABI on STN  
AN 2004:148957 CABA <>LOGINID::20090421>>  
DN 20043132478  
TI Studies of the transmission routes of *Ornithobacterium rhinotracheale* and immunoprophylaxis to prevent infection in young meat turkeys  
AU Veen, L. van; Vrijenhoek, M.; \*\*\*Empel, P. van\*\*\* ; van Veen, L.; van Empel, P.  
CS Intervet International BV, Post-Box 31, 5830 AA Boxmeer, Netherlands.  
SO Avian Diseases, (2004) Vol. 48, No. 2, pp. 233-237. 8 ref.  
Publisher: American Association of Avian Pathologists. Kennett Square  
ISSN: 0005-2086

CY United States  
DT Journal  
LA English  
SL Spanish  
ED Entered STN: 3 Sep 2004  
Last Updated on STN: 3 Sep 2004

L4 ANSWER 5 OF 14 CABA COPYRIGHT 2009 CABI on STN  
AN 2002:114608 CABA <>LOGINID::20090421>>  
DN 20023070788  
TI Protection of piglets against atrophic rhinitis by vaccinating the sow with a vaccine against *Pasteurella multocida* and *Bordetella bronchiseptica*  
AU Riising, H. J.; \*\*\*Empel, P. van\*\*\* ; Witvliet, M.; van Empel, P.

CS Intervet Danmark, Literbuen 9, DK 2740 Skovlunde, Denmark.  
SO Veterinary Record, (2002) Vol. 150, No. 18, pp. 569-571. 11 ref.  
Publisher: British Veterinary Association. London  
ISSN: 0042-4900  
CY United Kingdom  
DT Journal  
LA English  
ED Entered STN: 8 Jul 2002  
Last Updated on STN: 8 Jul 2002

L4 ANSWER 6 OF 14 CABA COPYRIGHT 2009 CABI on STN  
AN 2002:187529 CABA <<LOGINID::20090421>>  
DN 20023138434  
TI O. rhinotracheale is a global concern  
AU \*\*\*Empel, P. van\*\*\* ; van Empel, P.  
CS Intervet Netherlands, Kleine Broekstraat 1. 5831 AP Boxmeer, Netherlands.  
SO World Poultry, (2002) Vol. 18, No. Special, pp. 25-26.  
Publisher: Elsevier International Business Information. Doetinchem  
ISSN: 1388-3119  
CY Netherlands Antilles  
DT Journal  
LA English  
ED Entered STN: 8 Nov 2002  
Last Updated on STN: 8 Nov 2002

L4 ANSWER 7 OF 14 CABA COPYRIGHT 2009 CABI on STN  
AN 2002:101010 CABA <<LOGINID::20090421>>  
DN 20023062859  
TI Ornithobacterium rhinotracheale - control via breeder vaccination?  
AU \*\*\*Empel, P. van\*\*\* ; van Empel, P.  
CS Intervet International BV, Boxmeer, Netherlands.  
SO International Hatchery Practice, (2002) Vol. 16, No. 5, pp. 21-23. 10 ref.  
Publisher: Positive Action Publications Ltd. Driffield  
CY United Kingdom  
DT Journal  
LA English  
ED Entered STN: 7 Jun 2002  
Last Updated on STN: 7 Jun 2002

L4 ANSWER 8 OF 14 CABA COPYRIGHT 2009 CABI on STN  
AN 2001:37603 CABA <<LOGINID::20090421>>  
DN 20013010407  
TI Ornithobacterium rhinotracheale, a primary pathogen in broilers  
AU Veen, L. van; \*\*\*Empel, P. van\*\*\* ; Fabri, T.; van Empel, P.  
CS Animal Health Service, Poultry Section, Post-Box 9, 7400 AA Deventer, Netherlands.  
SO Avian Diseases, (2000) Vol. 44, No. 4, pp. 896-900. 6 ref.  
Publisher: American Association of Avian Pathologists. Kennett Square  
ISSN: 0005-2086  
CY United States  
DT Journal  
LA English  
SL Spanish  
ED Entered STN: 9 Apr 2001  
Last Updated on STN: 9 Apr 2001

L4 ANSWER 9 OF 14 CABA COPYRIGHT 2009 CABI on STN

AN 2001:9272 CABA <<LOGINID::20090421>>  
DN 20003004240  
TI Increased condemnation of broilers associated with *Ornithobacterium rhinotracheale*  
AU Veen, L. van; Gruys, E.; Frik, K.; \*\*\*Empel, P. van\*\*\* ; van Veen, L.; van Empel, P.  
CS Animal Health Service, Poultry Section, P.O. Box 9, 7400 AA Deventer, Netherlands.  
SO Veterinary Record, (2000) Vol. 147, No. 15, pp. 422-423. 10 ref.  
Publisher: British Veterinary Association. London  
ISSN: 0042-4900  
CY United Kingdom  
DT Journal  
LA English  
ED Entered STN: 1 Feb 2001  
Last Updated on STN: 1 Feb 2001

L4 ANSWER 10 OF 14 CABA COPYRIGHT 2009 CABI on STN  
AN 1999:102177 CABA <<LOGINID::20090421>>  
DN 19992209414  
TI Immunohistochemical and serological investigation of experimental *Ornithobacterium rhinotracheale* infection in chickens  
AU \*\*\*Empel, P. van\*\*\* ; Vrijenhoek, M.; Goovaerts, D.; Bosch, H. van den; van Empel, P.; van den Bosch, H.  
CS Intervet International B.V., Wim de Korverstraat 35, P.O. Box 31, NL-5830 AA Boxmeer, Netherlands.  
SO Avian Pathology, (1999) Vol. 28, No. 2, pp. 187-193. 14 ref.  
ISSN: 0307-9457  
DT Journal  
LA English  
SL French; German; Spanish  
ED Entered STN: 7 Jul 1999  
Last Updated on STN: 7 Jul 1999

L4 ANSWER 11 OF 14 CABA COPYRIGHT 2009 CABI on STN  
AN 1999:9339 CABA <<LOGINID::20090421>>  
DN 19982219934  
TI Vaccination of chickens against *Ornithobacterium rhinotracheale* infection  
AU \*\*\*Empel, P. van\*\*\* ; Bosch, H. van den; van Empel, P.; van den Bosch, H.  
CS Intervet International, P.O. Box 31, NL-5830 AA Boxmeer, Netherlands.  
SO Avian Diseases, (1998) Vol. 42, No. 3, pp. 572-578. 14 ref.  
ISSN: 0005-2086  
DT Journal  
LA English  
SL Spanish  
ED Entered STN: 12 Jan 1999  
Last Updated on STN: 12 Jan 1999

L4 ANSWER 12 OF 14 CABA COPYRIGHT 2009 CABI on STN  
AN 97:56419 CABA <<LOGINID::20090421>>  
DN 19972205269  
TI Identification and serotyping of *Ornithobacterium rhinotracheale*  
AU \*\*\*Empel, P. van\*\*\* ; Bosch, H. van den; Loeffen, P.; Storm, P.; Van Empel, P.; Van den Bosch, H.  
CS Intervet International B.V., NL-5830 AA Boxmeer, Netherlands.  
SO Journal of Clinical Microbiology, (1997) Vol. 35, No. 2, pp. 418-421. 9

ref.  
 ISSN: 0095-1137  
 DT Journal  
 LA English  
 ED Entered STN: 19 May 1997  
 Last Updated on STN: 19 May 1997

L4 ANSWER 13 OF 14 CABA COPYRIGHT 2009 CABI on STN  
 AN 97:68692 CABA <>LOGINID::20090421>>  
 DN 19972206809  
 TI Experimental infection in turkeys and chickens with *Ornithobacterium rhinotracheale*  
 AU \*\*\*Empel, P. van\*\*\* ; Bosch, H. van den; Goovaerts, D.; Storm, P.; Van Empel, P.; Van den Bosch, H.  
 CS Intervet International, PO Box 31, NL-5830 AA Boxmeer, Netherlands.  
 SO Avian Diseases, (1996) Vol. 40, No. 4, pp. 858-864. 7 ref.  
 ISSN: 0005-2086  
 DT Journal  
 LA English  
 SL Spanish  
 ED Entered STN: 12 Jun 1997  
 Last Updated on STN: 12 Jun 1997

L4 ANSWER 14 OF 14 CABA COPYRIGHT 2009 CABI on STN  
 AN 97:10339 CABA <>LOGINID::20090421>>  
 DN 19970400275  
 TI Antibody titres against CP5 and CP8 in a dairy herd with high incidence of *Staphylococcus aureus* mastitis  
 AU Lohuis, J. A. C. M.; \*\*\*Empel, P. van\*\*\* ; Fattom, A.; Lam, T.; Schukken, Y. H.; Storm, P.; Van Empel, P.; Saran, A. [EDITOR]; Soback, S. [EDITOR]  
 CS Intervet International B.V., Bacteriological R & D Department, P.O. Box 31, 5830 AA Boxmeer, Netherlands.  
 SO Proceedings of the Third IDF International Mastitis Seminar Tel-Aviv, Israel, 28 May - 1 June 1995. Book 1, (1995) pp. s-1,25-27. 3 ref.  
 Publisher: National Mastitis Reference Center. Beit-Dagan  
 Meeting Info.: Proceedings of the Third IDF International Mastitis Seminar Tel-Aviv, Israel, 28 May - 1 June 1995. Book 1.  
 ISBN: 965-222-636-X  
 CY Israel  
 DT Conference Article  
 LA English  
 ED Entered STN: 10 Mar 1997  
 Last Updated on STN: 10 Mar 1997

=> e nuijten petrus/au

E1	80	NUIJTEN P J M/AU
E2	6	NUIJTEN PETER/AU
E3	0	--> NUIJTEN PETRUS/AU
E4	1	NUIJTEN PETRUS A C M/AU
E5	1	NUIJTEN PETRUS J M/AU
E6	10	NUIJTEN PETRUS JOHANNES MARIA/AU
E7	6	NUIJTEN PIET/AU
E8	2	NUIJTEN PIET J A/AU
E9	45	NUIJTEN PIET J M/AU
E10	1	NUIJTEN PUSTJENS GERRY MARIA GERTRUDA JOHANNA/AU

E11 4 NUIJTEN S/AU  
E12 2 NUIJTEN S M/AU

=> s e1-e6 and ornitho?

L5 24 ("NUIJTEN P J M"/AU OR "NUIJTEN PETER"/AU OR "NUIJTEN PETRUS"/AU  
OR "NUIJTEN PETRUS A C M"/AU OR "NUIJTEN PETRUS J M"/AU OR "NUI  
JTEN PETRUS JOHANNES MARIA"/AU) AND ORNITHO?

=> dup rem 15

PROCESSING COMPLETED FOR L5

L6 7 DUP REM L5 (17 DUPLICATES REMOVED)

=> d 1-

YOU HAVE REQUESTED DATA FROM 7 ANSWERS - CONTINUE? Y/(N):y

L6 ANSWER 1 OF 7 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN  
DUPLICATE 1  
AN 2006:324666 BIOSIS <>LOGINID::20090421>>  
DN PREV200600325257  
TI Vaccine potential of recombinant \*\*\*Ornithobacterium\*\*\* rhinotracheale  
antigens.  
AU Schuijffel, D. F.; Van Empel, P. C. M.; Segers, R. P. A. M.; Van Putten,  
J. P. M.; \*\*\*Nuijten, P. J. M.\*\*\* [Reprint Author]  
CS Nobilon Int BV, Bacteriol R and D, POB 320, NL-5830 AH Boxmeer,  
Netherlands  
piet.nuijten@nobilonvaccines.com  
SO Vaccine, (MAR 10 2006) Vol. 24, No. 11, pp. 1858-1867.  
CODEN: VACCDE. ISSN: 0264-410X.  
DT Article  
LA English  
ED Entered STN: 21 Jun 2006  
Last Updated on STN: 21 Jun 2006

L6 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2005:902911 CAPLUS <>LOGINID::20090421>>  
DN 143:243067  
TI Protein and cDNA sequences of eight novel \*\*\*Ornithobacterium\*\*\*  
rhinotracheale antigens and use in vaccines  
IN Schuijffel, Danielle Francisca; \*\*\*Nuijten, Petrus Johannes Maria\*\*\*  
PA Akzo Nobel N. V., Neth.  
SO PCT Int. Appl., 43 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 2005077972	A1	20050825	WO 2005-EP50577	20050209
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,				

RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2005212850	A1	20050825	AU 2005-212850	20050209
CA 2553703	A1	20050825	CA 2005-2553703	20050209
EP 1716169	A1	20061102	EP 2005-701653	20050209
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
BR 2005007281	A	20070703	BR 2005-7281	20050209
JP 2007537723	T	20071227	JP 2006-552621	20050209
MX 2006008760	A	20070123	MX 2006-8760	20060802
IN 2006CN02908	A	20070608	IN 2006-CN2908	20060808
US 20080008718	A1	20080110	US 2006-588992	20060810
PRAI EP 2004-75427	A	20040211		
WO 2005-EP50577	W	20050209		

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2005:607098 CAPLUS <>LOGINID::20090421>>  
TI Combination vaccine for poultry  
IN Jacobs, Antonius Arnoldus Christiaan; Van, Empel Paul Cornelius Maria;  
    \*\*\*Nuijten, Petrus Johannes Maria\*\*\*

PA Akzo Nobel N.V., Neth.; Van Empel, Paul Cornelius Maria  
SO PCT Int. Appl.  
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	-----	-----	-----	-----	-----
PI	WO 2005063284	A1	20050714	WO 2004-EP53623	20041221
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2550923	A1	20050714	CA 2004-2550923	20041221
	EP 1699483	A1	20060913	EP 2004-804958	20041221
	EP 1699483	B1	20090311		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
	BR 2004017880	A	20070427	BR 2004-17880	20041221
	JP 2007518717	T	20070712	JP 2006-546172	20041221
	AT 424844	T	20090315	AT 2004-804958	20041221
	US 20090053262	A1	20090226	US 2006-582315	20060608
PRAI	EP 2003-104954	A	20031223		
	WO 2004-EP53623	W	20041221		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 7 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN

DUPLICATE 2  
AN 2005:554651 BIOSIS <>LOGINID::20090421>>  
DN PREV200510340117  
TI Successful selection of cross-protective vaccine candidates for  
\*\*\*Ornithobacterium\*\*\* rhinotracheale infection.  
AU Schuijffel, D. F.; van Empel, P. C. M.; Pennings, A. M. M. A.; van Putten,  
J. P. M.; \*\*\*Nuijten, P. J. M.\*\*\* [Reprint Author]  
CS Nobilon Int BV, Bacteriol R and D, POB 320, Exportstr 39B, NL-5830 AH  
Boxmeer, Netherlands  
Piet.Nuijten@Nobilonvaccines.com  
SO Infection and Immunity, (OCT 2005) Vol. 73, No. 10, pp. 6812-6821.  
CODEN: INFIBR. ISSN: 0019-9567.  
DT Article  
LA English  
ED Entered STN: 7 Dec 2005  
Last Updated on STN: 7 Dec 2005

L6 ANSWER 5 OF 7 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN  
DUPLICATE 3  
AN 2005:316197 BIOSIS <>LOGINID::20090421>>  
DN PREV200510106203  
TI Passive immunization of immune-suppressed animals: Chicken antibodies  
protect against \*\*\*Ornithobacterium\*\*\* rhinotracheale infection.  
AU Schuijffel, D. F.; Van Empel, P. C. M.; Pennings, A. M. M. A.; Van Putten,  
J. P. M.; \*\*\*Nuijten, P. J. M.\*\*\* [Reprint Author]  
CS Nobilon Int BV, Bacteriol R and D, Exportstr 39B, NL-5830 AH Boxmeer,  
Netherlands  
Piet.Nuijten@Nobilonvaccines.com  
SO Vaccine, (MAY 16 2005) Vol. 23, No. 26, pp. 3404-3411.  
CODEN: VACCDE. ISSN: 0264-410X.  
DT Article  
LA English  
ED Entered STN: 17 Aug 2005  
Last Updated on STN: 17 Aug 2005

L6 ANSWER 6 OF 7 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN  
AN 2003:453878 BIOSIS <>LOGINID::20090421>>  
DN PREV200300453878  
TI The chicken humoral immune response is involved in protection against  
\*\*\*Ornithobacterium\*\*\* rhinotracheale infection.  
AU Schuijffel, D. F. [Reprint Author]; \*\*\*Nuijten, P. J. M.\*\*\* [Reprint  
Author]; Pennings, A. M. M. A. [Reprint Author]; van Putten, J.; van  
Empel, P. C. M. [Reprint Author]  
CS Bacteriology R and D, Intervet International BV, Wim de Korverstraat 35,  
5830 AA, Boxmeer, Netherlands  
SO FEMS Congress of European Microbiologists Abstract Book, (2003) No. 1, pp.  
269-270. print.  
Meeting Info.: 1st Federation of European Microbiological Societies (FEMS)  
Congress of European Microbiologists. Ljubljana, Slovenia. June 29-July  
03, 2003. FEMS (Federation of European Microbiological Societies).  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LA English  
ED Entered STN: 1 Oct 2003  
Last Updated on STN: 1 Oct 2003

L6 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2002:391558 CAPLUS <<LOGINID::20090421>>  
 DN 136:384973  
 TI Salmonella vaccine  
 IN \*\*\*Nuijten, Petrus Johannes Maria\*\*\* ; Witvliet, Maarten Hendrik  
 PA Akzo Nobel N.V., Neth.  
 SO PCT Int. Appl., 22 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002040046	A1	20020523	WO 2001-EP13396	20011115
	W: AE, AG, AL, AU, BA, BB, BG, BR, BZ, CA, CN, CO, CR, CU, CZ, DM, DZ, EC, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, RO, RU, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2429120	A1	20020523	CA 2001-2429120	20011115
	AU 2002017043	A	20020527	AU 2002-17043	20011115
	EP 1345621	A1	20030924	EP 2001-996389	20011115
	EP 1345621	B1	20081112		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	HU 2003002612	A2	20031128	HU 2003-2612	20011115
	HU 2003002612	A3	20041028		
	JP 2004513646	T	20040513	JP 2002-542418	20011115
	AT 413888	T	20081115	AT 2001-996389	20011115
	ES 2316492	T3	20090416	ES 2001-996389	20011115
	US 20040052802	A1	20040318	US 2003-432102	20030516
	US 7045122	B2	20060516		
PRAI	EP 2000-204022	A	20001116		
	EP 2000-204387	A	20001208		
	WO 2001-EP13396	W	20011115		

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s ornithobacter? and vaccin?  
 L7 157 ORNITHOBACTER? AND VACCIN?

=> dup rem 17  
 PROCESSING COMPLETED FOR L7  
 L8 71 DUP REM L7 (86 DUPLICATES REMOVED)  
 => s 18 and (over attenuat?)  
 L9 1 L8 AND (OVER ATTENUAT?)  
 => d

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2005:607098 CAPLUS <<LOGINID::20090421>>  
 TI Combination \*\*\*vaccine\*\*\* for poultry  
 IN Jacobs, Antonius Arnoldus Christiaan; Van, Empel Paul Cornelius Maria;  
 Nuijten, Petrus Johannes Maria  
 PA Akzo Nobel N.V., Neth.; Van Empel, Paul Cornelius Maria

SO PCT Int. Appl.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005063284	A1	20050714	WO 2004-EP53623	20041221
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2550923	A1	20050714	CA 2004-2550923	20041221
	EP 1699483	A1	20060913	EP 2004-804958	20041221
	EP 1699483	B1	20090311		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
	BR 2004017880	A	20070427	BR 2004-17880	20041221
	JP 2007518717	T	20070712	JP 2006-546172	20041221
	AT 424844	T	20090315	AT 2004-804958	20041221
	US 20090053262	A1	20090226	US 2006-582315	20060608
PRAI	EP 2003-104954	A	20031223		
	WO 2004-EP53623	W	20041221		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s 18 and attenuate?

L10 5 L8 AND ATTENUATE?

=> d bib ab kwic 1-

YOU HAVE REQUESTED DATA FROM 5 ANSWERS - CONTINUE? Y/(N):y

L10 ANSWER 1 OF 5 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN  
AN 2005:14975 BIOSIS <<LOGINID::20090421>>  
DN PREV200500018375  
TI Characterization of plasmid pOR1 from \*\*\*Ornithobacterium\*\*\*  
rhinotracheale and construction of a shuttle plasmid.  
AU Jansen, Ruud; Chansiripornchai, Niwat; Gaastra, Wim; van Putten, Jos P. M.  
[Reprint Author]  
CS Dept Immunol and Infect Dis, Univ Utrecht, Yalelaan 1, NL-3584 CL,  
Utrecht, Netherlands  
j.vanputten@vet.uu.nl  
SO Applied and Environmental Microbiology, (October 2004) Vol. 70, No. 10,  
pp. 5853-5858. print.  
ISSN: 0099-2240 (ISSN print).  
DT Article  
LA English  
ED Entered STN: 22 Dec 2004  
Last Updated on STN: 22 Dec 2004

AB The bacterium \*\*\*Ornithobacterium\*\*\* rhinotracheale has been recognized as an emerging pathogen in poultry since about 10 years ago. Knowledge of this bacterium and its mechanisms of virulence is still very limited. Here we report the development of a transformation system that enables genetic modification of *O. rhinotracheale*. The system is based on a cryptic plasmid, pOR1, that was derived from an *O. rhinotracheale* strain of serotype K. sequencing indicated that the plasmid consisted of 14,787 nucleotides. Sequence analysis revealed one replication origin and several rep genes that control plasmid replication and copy number, respectively. In addition, pOR1 contains genes with similarity to a heavy-metal-transporting ATPase, a TonB-linked siderophore receptor, and a laccase. Reverse transcription-PCR demonstrated that these genes were transcribed. Other putative open reading frames exhibited similarities with a virulence-associated protein in *Actinobacillus actinomycetemcomitans* and a number of genes coding for proteins with unknown function. An *Escherichia coli*-*O. rhinotracheale* shuttle plasmid (pOREC1) was constructed by cloning the replication origin and rep genes from pOR1 and the cfxA gene from *Bacteroides vulgatus*, which codes for resistance to the antibiotic cefoxitin, into plasmid pGEM7 by using *E. coli* as a host. pOREC1 was electroporated into *O. rhinotracheale* and yielded cefoxitin-resistant transformants. The pOREC1 isolated from these transformants was reintroduced into *E. coli*, demonstrating that pOREC1 acts as an independent replicon in both *E. coli* and *O. rhinotracheale*, fulfilling the criteria for a shuttle plasmid that can be used for transformation, targeted mutagenesis, and the construction of defined \*\*\*attenuated\*\*\* \*\*\*vaccine\*\*\* strains.

TI Characterization of plasmid pOR1 from \*\*\*Ornithobacterium\*\*\* rhinotracheale and construction of a shuttle plasmid.

AB The bacterium \*\*\*Ornithobacterium\*\*\* rhinotracheale has been recognized as an emerging pathogen in poultry since about 10 years ago. Knowledge of this bacterium and . . . fulfilling the criteria for a shuttle plasmid that can be used for transformation, targeted mutagenesis, and the construction of defined \*\*\*attenuated\*\*\* \*\*\*vaccine\*\*\* strains.

ORGN . . .

Taxa Notes

Bacteria, Eubacteria, Microorganisms

ORGN Classifier

Gram-Negative Aerobic Rods and Cocci 06500

Super Taxa

Eubacteria; Bacteria; Microorganisms

Organism Name

\*\*\*Ornithobacterium\*\*\* rhinotracheale (species): pathogen, poultry pathogen

Taxa Notes

Bacteria, Eubacteria, Microorganisms

L10 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2006:1225852 CAPLUS <<LOGINID::20090421>>

DN 146:26334

TI *Pasteurella multocida* live \*\*\*attenuated\*\*\* \*\*\*vaccine\*\*\*

IN Luo, Yugang; Vermeij, Paul; Jacobs, Antonius Arnoldus Christiaan

PA Intervet International B.V., Neth.

SO PCT Int. Appl., 31pp.

CODEN: PIXXD2

DT Patent

LA English

## FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006122586	A1	20061123	WO 2005-EP56995	20051221
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	AU 2005331860	A1	20061123	AU 2005-331860	20051221
	CA 2591624	A1	20061123	CA 2005-2591624	20051221
	EP 1831248	A1	20070912	EP 2005-857856	20051221
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
	CN 101087803	A	20071212	CN 2005-80044494	20051221
	JP 2008523840	T	20080710	JP 2007-547497	20051221
	MX 2007007570	A	20070724	MX 2007-7570	20070621
	IN 2007CN02702	A	20070907	IN 2007-CN2702	20070621
	KR 2007092290	A	20070912	KR 2007-716568	20070719
PRAI	US 2004-639447P	P	20041222		
	WO 2005-EP56995	W	20051221		
AB	The disclosed invention relates to live ***attenuated*** bacteria of the species <i>Pasteurella multocida</i> not capable of expressing a functional Orf-15 protein, to live ***attenuated*** ***vaccines*** comprising such live ***attenuated*** bacteria, to the use of such bacteria for the manuf. of such ***vaccines***, to methods for the prepn. of such ***vaccines***, and to diagnostic tests for the detection of such bacteria. For example, live ***attenuated*** Orf-15 mutants of <i>P. multocida</i> given to turkeys together with the Newcastle disease virus ***vaccine*** provided various levels of protection, depending on ***vaccination*** route, being 100% with aerosol ***vaccination*** route followed by drinking water route (81%).				

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

TI	<i>Pasteurella multocida</i> live ***attenuated*** ***vaccine***
AB	The disclosed invention relates to live ***attenuated*** bacteria of the species <i>Pasteurella multocida</i> not capable of expressing a functional Orf-15 protein, to live ***attenuated*** ***vaccines*** comprising such live ***attenuated*** bacteria, to the use of such bacteria for the manuf. of such ***vaccines***, to methods for the prepn. of such ***vaccines***, and to diagnostic tests for the detection of such bacteria. For example, live ***attenuated*** Orf-15 mutants of <i>P. multocida</i> given to turkeys together with the Newcastle disease virus ***vaccine*** provided various levels of protection, depending on ***vaccination*** route, being 100% with aerosol ***vaccination*** route followed by drinking water route (81%).
ST	<i>Pasteurella</i> ***vaccine*** Orf15 gene deficient
IT	Gene, microbial
	RL: BSU (Biological study, unclassified); BIOL (Biological study) (Orf-15; <i>Pasteurella multocida</i> live ***attenuated***

\*\*\*vaccine\*\*\* )  
IT  Freeze-dried drug delivery systems  
Mutation  
  *Pasteurella multocida*  
  Pharmaceutical aerosols  
  Pharmaceutical carriers  
      \*\*\*Vaccines\*\*\*  
      (*Pasteurella multocida* live    \*\*\*attenuated\*\*\*        \*\*\*vaccine\*\*\* )  
IT  *Anaplasma centrale*  
  *Anaplasma marginale*  
  *Avian encephalomyelitis virus*  
  *Avian reovirus*  
  *Avibacterium paragallinarum*  
  *Babesia bigemina*  
  *Babesia bovis*  
  *Babesia major*  
  *Bordetella bronchiseptica*  
  *Bovine diarrhea virus*  
  *Bovine herpesvirus*  
  *Bovine parainfluenza virus 3*  
  *Bovine respiratory syncytial virus*  
  *Chicken anemia virus*  
  *Clostridium perfringens*  
  *Duck enteritis virus*  
  *Eggdrop syndrome-1976 virus*  
  *Eimeria*  
  *Erysipelothrix rhusiopathiae*  
  *Escherichia coli*  
  *Foot-and-mouth disease virus*  
  *Fowlpox virus*  
  *Gallid herpesvirus*  
  *Gallid herpesvirus 1*  
  *Haemophilus parasuis*  
  *Human herpesvirus 3*  
  *Human parainfluenza virus 3*  
  *Infectious bronchitis virus*  
  *Infectious bursal disease virus*  
  *Mannheimia haemolytica*  
  *Meleagrid herpesvirus 1*  
  *Mycoplasma gallisepticum*  
  *Mycoplasma hyopneumoniae*  
  *Mycoplasma synoviae*  
  *Neospora caninum*  
  *Newcastle disease virus*  
      \*\*\**Ornithobacterium*\*\*\*    *rhinotracheale*  
  *Porcine circovirus 1*  
  *Porcine circovirus 2*  
  *Porcine parvovirus*  
  *Porcine respiratory and reproductive syndrome virus*  
  *Porcine transmissible gastroenteritis virus*  
  *Rotavirus*  
  *Salmonella*  
  *Staphylococcus aureus*  
  *Staphylococcus uberis*  
  *Streptococcus suis*  
  *Suid herpesvirus 1*  
  *Swine influenza virus*

Theileria annulata  
 Theileria parva  
 Trypanosoma  
 Turkey rhinotracheitis virus  
     (Pasteurella multocida live    \*\*\*attenuated\*\*\*    \*\*\*vaccine\*\*\*  
     contg. genes from)  
 IT Human  
 Veterinary medicine  
     (Pasteurella multocida live    \*\*\*attenuated\*\*\*    \*\*\*vaccine\*\*\*    in)  
 IT Diagnosis  
     (Pasteurella multocida live    \*\*\*attenuated\*\*\*    \*\*\*vaccine\*\*\*    in  
     relation to)  
 IT Immunostimulants  
     (adjuvants; Pasteurella multocida live    \*\*\*attenuated\*\*\*  
     \*\*\*vaccine\*\*\*    )  
 IT Mutation  
     (deletion; Pasteurella multocida live    \*\*\*attenuated\*\*\*  
     \*\*\*vaccine\*\*\*    )  
 IT Proteins  
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL  
     (Biological study); USES (Uses)  
     (gene Orf-15; Pasteurella multocida live    \*\*\*attenuated\*\*\*  
     \*\*\*vaccine\*\*\*    )  
 IT Gene, microbial  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
     (heterologous; Pasteurella multocida live    \*\*\*attenuated\*\*\*  
     \*\*\*vaccine\*\*\*    contg.)  
 IT Drug delivery systems  
     (in drinking water; Pasteurella multocida live    \*\*\*attenuated\*\*\*  
     \*\*\*vaccine\*\*\*    )  
 IT Mutation  
     (insertion; Pasteurella multocida live    \*\*\*attenuated\*\*\*  
     \*\*\*vaccine\*\*\*    )  
 IT 915811-70-0, Protein ORF 15 (Pasteurella multocida)  
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
     (Biological study)  
     (amino acid sequence; Pasteurella multocida live    \*\*\*attenuated\*\*\*  
     \*\*\*vaccine\*\*\*    )  
 IT 915811-69-7  
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
     (Biological study)  
     (nucleotide sequence; Pasteurella multocida live    \*\*\*attenuated\*\*\*  
     \*\*\*vaccine\*\*\*    )

L10 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2005:607098 CAPLUS <<LOGINID::20090421>>  
 TI Combination \*\*\*vaccine\*\*\* for poultry  
 IN Jacobs, Antonius Arnoldus Christiaan; Van, Empel Paul Cornelius Maria;  
     Nuijten, Petrus Johannes Maria  
 PA Akzo Nobel N.V., Neth.; Van Empel, Paul Cornelius Maria  
 SO PCT Int. Appl.  
     CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----

PI	WO 2005063284	A1	20050714	WO 2004-EP53623	20041221
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA	2550923	A1	20050714	CA 2004-2550923	20041221
EP	1699483	A1	20060913	EP 2004-804958	20041221
EP	1699483	B1	20090311		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
BR	2004017880	A	20070427	BR 2004-17880	20041221
JP	2007518717	T	20070712	JP 2006-546172	20041221
AT	424844	T	20090315	AT 2004-804958	20041221
US	20090053262	A1	20090226	US 2006-582315	20060608
PRAI	EP 2003-104954	A	20031223		
	WO 2004-EP53623	W	20041221		

AB The present invention relates to a combination \*\*\*vaccine\*\*\* for the protection of poultry against \*\*\*Ornithobacterium\*\*\* rhinotracheale, to the use of a live over- \*\*\*attenuated\*\*\* \*\*\*Ornithobacterium\*\*\* rhinotracheale strain and a live \*\*\*attenuated\*\*\* poultry virus for the manufacturing of such a combination \*\*\*vaccine\*\*\*, to methods for the preparation of said combination \*\*\*vaccine\*\*\* and to \*\*\*vaccination\*\*\* kits for the immunization of poultry against \*\*\*Ornithobacterium\*\*\* rhinotracheale.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

TI	Combination ***vaccine*** for poultry				
AB	The present invention relates to a combination ***vaccine*** for the protection of poultry against ***Ornithobacterium*** rhinotracheale, to the use of a live over- ***attenuated*** ***Ornithobacterium*** rhinotracheale strain and a live ***attenuated*** poultry virus for the manufacturing of such a combination ***vaccine***, to methods for the preparation of said combination ***vaccine*** and to ***vaccination*** kits for the immunization of poultry against ***Ornithobacterium*** rhinotracheale.				

L10	ANSWER 4 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN				
AN	2002:714168 CAPLUS <<LOGINID::20090421>>				
DN	137:246518				
TI	Recombinant infectious laryngotracheitis virus comprising deleted UL0 gene and other avian pathogenic antigen for use as ***vaccine***				
IN	Claessens, Johannes Antonius Joseph; Fuchs, Walter				
PA	Akzo Nobel N.V., Neth.				
SO	Eur. Pat. Appl., 30 pp.				
	CODEN: EPXXDW				
DT	Patent				
LA	English				
FAN.CNT 1					
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	-----	-----	-----	-----

PI	EP 1241177	A1	20020918	EP 2002-75925	20020311
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2002356441	A	20021213	JP 2002-61362	20020307
	AU 2002024508	A	20020919	AU 2002-24508	20020313
	AU 784310	B2	20060309		
	CA 2373454	A1	20020915	CA 2002-2373454	20020314
	BR 2002000838	A	20030325	BR 2002-838	20020314
	MX 2002002904	A	20051007	MX 2002-2904	20020314
	US 20020168384	A1	20021114	US 2002-99619	20020315
PRAI	EP 2001-200975	A	20010315		

AB The present invention provides an \*\*\*attenuated\*\*\* ILT virus that is able to induce protection against ILT in chickens. The new \*\*\*vaccine\*\*\* strain is not able to express the native UL0 protein of ILTV. The new ILTV \*\*\*vaccine\*\*\* virus can also be used as a vector for genes of other avian pathogens. Thus, recombinant UL0 gene-deleted ILT virus expressing avian influenza virus hemagglutinin was prep'd. as \*\*\*vaccine\*\*\*.

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

TI Recombinant infectious laryngotracheitis virus comprising deleted UL0 gene and other avian pathogenic antigen for use as \*\*\*vaccine\*\*\*

AB The present invention provides an \*\*\*attenuated\*\*\* ILT virus that is able to induce protection against ILT in chickens. The new \*\*\*vaccine\*\*\* strain is not able to express the native UL0 protein of ILTV. The new ILTV \*\*\*vaccine\*\*\* virus can also be used as a vector for genes of other avian pathogens. Thus, recombinant UL0 gene-deleted ILT virus expressing avian influenza virus hemagglutinin was prep'd. as \*\*\*vaccine\*\*\*.

ST infectious laryngotracheitis virus UL0 gene protein pathogen  
\*\*\*vaccine\*\*\*

IT Gene, microbial  
Proteins

RL: REM (Removal or disposal); PROC (Process)  
(UL0; recombinant infectious laryngotracheitis virus comprising deleted UL0 gene and other avian pathogenic antigen for use as \*\*\*vaccine\*\*\*  
)

IT Pathogen  
(avian; recombinant infectious laryngotracheitis virus comprising deleted UL0 gene and other avian pathogenic antigen for use as \*\*\*vaccine\*\*\* )

IT Drug delivery systems  
(carriers; recombinant infectious laryngotracheitis virus comprising deleted UL0 gene and other avian pathogenic antigen for use as \*\*\*vaccine\*\*\* )

IT Animal tissue culture

Aves

DNA sequences

Escherichia coli

Gallid herpesvirus

Gallid herpesvirus 1

Gallus domesticus

Genetic vectors

Immunomodulators

Infectious bronchitis virus

Influenza A virus

Molecular cloning

Mycoplasma  
 Newcastle disease virus  
     \*\*\*Ornithobacterium\*\*\*    rhinotracheale  
 Poultry  
 Protein sequences  
 Turkey rhinotracheitis virus  
     \*\*\*Vaccines\*\*\*  
     (recombinant infectious laryngotracheitis virus comprising deleted UL0  
     gene and other avian pathogenic antigen for use as    \*\*\*vaccine\*\*\*    )

IT    Antigens  
 Hemagglutinins  
 RL: AGR (Agricultural use); BPN (Biosynthetic preparation); BSU  
     (Biological study, unclassified); PRP (Properties); THU (Therapeutic use);  
 BIOL (Biological study); PREP (Preparation); USES (Uses)  
     (recombinant infectious laryngotracheitis virus comprising deleted UL0  
     gene and other avian pathogenic antigen for use as    \*\*\*vaccine\*\*\*    )

IT    Mutagenesis  
     (site-directed, deletion; recombinant infectious laryngotracheitis  
     virus comprising deleted UL0 gene and other avian pathogenic antigen  
     for use as    \*\*\*vaccine\*\*\*    )

IT    Mutagenesis  
     (site-directed, insertion; recombinant infectious laryngotracheitis  
     virus comprising deleted UL0 gene and other avian pathogenic antigen  
     for use as    \*\*\*vaccine\*\*\*    )

IT    460104-59-0P, Hemagglutinin (avian influenza virus)  
 RL: AGR (Agricultural use); BPN (Biosynthetic preparation); BSU  
     (Biological study, unclassified); PRP (Properties); THU (Therapeutic use);  
 BIOL (Biological study); PREP (Preparation); USES (Uses)  
     (amino acid sequence; recombinant infectious laryngotracheitis virus  
     comprising deleted UL0 gene and other avian pathogenic antigen for use  
     as    \*\*\*vaccine\*\*\*    )

IT    460104-58-9P  
 RL: AGR (Agricultural use); BPN (Biosynthetic preparation); BSU  
     (Biological study, unclassified); PRP (Properties); THU (Therapeutic use);  
 BIOL (Biological study); PREP (Preparation); USES (Uses)  
     (nucleotide sequence; recombinant infectious laryngotracheitis virus  
     comprising deleted UL0 gene and other avian pathogenic antigen for use  
     as    \*\*\*vaccine\*\*\*    )

IT    181795-07-3, GenBank X97256  
 RL: REM (Removal or disposal); PROC (Process)  
     (recombinant infectious laryngotracheitis virus comprising deleted UL0  
     gene and other avian pathogenic antigen for use as    \*\*\*vaccine\*\*\*    )

L10    ANSWER 5 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN    2002:391558 CAPLUS <<LOGINID::20090421>>  
 DN    136:384973  
 TI    Salmonella    \*\*\*vaccine\*\*\*  
 IN    Nuijten, Petrus Johannes Maria; Witvliet, Maarten Hendrik  
 PA    Akzo Nobel N.V., Neth.  
 SO    PCT Int. Appl., 22 pp.  
     CODEN: PIXXD2  
 DT    Patent  
 LA    English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002040046	A1	20020523	WO 2001-EP13396	20011115

W: AE, AG, AL, AU, BA, BB, BG, BR, BZ, CA, CN, CO, CR, CU, CZ, DM,  
 DZ, EC, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK,  
 LR, LT, LV, MA, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, RO, RU, SG,  
 SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ,  
 MD, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,  
 CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,  
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 CA 2429120 A1 20020523 CA 2001-2429120 20011115  
 AU 2002017043 A 20020527 AU 2002-17043 20011115  
 EP 1345621 A1 20030924 EP 2001-996389 20011115  
 EP 1345621 B1 20081112  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
 HU 2003002612 A2 20031128 HU 2003-2612 20011115  
 HU 2003002612 A3 20041028  
 JP 2004513646 T 20040513 JP 2002-542418 20011115  
 AT 413888 T 20081115 AT 2001-996389 20011115  
 ES 2316492 T3 20090416 ES 2001-996389 20011115  
 US 20040052802 A1 20040318 US 2003-432102 20030516  
 US 7045122 B2 20060516  
 PRAI EP 2000-204022 A 20001116  
 EP 2000-204387 A 20001208  
 WO 2001-EP13396 W 20011115

AB The present invention relates to live \*\*\*attenuated\*\*\* Salmonella strains comprising a first attenuating mutation, that are not capable of making functional RecA. The invention also relates to these bacteria for use in \*\*\*vaccines\*\*\*. Furthermore, the invention relates to \*\*\*vaccines\*\*\* based upon these bacteria, to the use of such bacteria in the manuf. of \*\*\*vaccines\*\*\* and to methods for the prepn. of such \*\*\*vaccines\*\*\*. The recA- Salmonella carries a heterologous antigen gene from a virus, bacterium, or parasite and can be used in \*\*\*vaccines\*\*\* for prevention of infection in poultry.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

TI Salmonella \*\*\*vaccine\*\*\*  
 AB The present invention relates to live \*\*\*attenuated\*\*\* Salmonella strains comprising a first attenuating mutation, that are not capable of making functional RecA. The invention also relates to these bacteria for use in \*\*\*vaccines\*\*\*. Furthermore, the invention relates to \*\*\*vaccines\*\*\* based upon these bacteria, to the use of such bacteria in the manuf. of \*\*\*vaccines\*\*\* and to methods for the prepn. of such \*\*\*vaccines\*\*\*. The recA- Salmonella carries a heterologous antigen gene from a virus, bacterium, or parasite and can be used in \*\*\*vaccines\*\*\* for prevention of infection in poultry.  
 ST \*\*\*vaccine\*\*\* infection Salmonella RecA deletion chicken  
 IT Enzymes, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (DNA-recombinant, gene RecA; use of recA- Salmonella carrying a heterologous antigen gene in \*\*\*vaccines\*\*\* against infection in poultry)  
 IT Infection  
 (bacterial; use of recA- Salmonella carrying a heterologous antigen gene in \*\*\*vaccines\*\*\* against infection in poultry)  
 IT Mutation

(deletion; use of recA- *Salmonella* carrying a heterologous antigen gene in \*\*\*vaccines\*\*\* against infection in poultry)

IT Infection  
(protozoal; use of recA- *Salmonella* carrying a heterologous antigen gene in \*\*\*vaccines\*\*\* against infection in poultry)

IT Gene, microbial  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(recA; use of recA- *Salmonella* carrying a heterologous antigen gene in \*\*\*vaccines\*\*\* against infection in poultry)

IT Avian encephalomyelitis virus  
Avian reovirus  
*Avibacterium paragallinarum*  
Chicken anemia virus  
*Eimeria*  
*Escherichia coli*  
*Gallus domesticus*  
Human herpesvirus 3  
Infectious bronchitis virus  
Infectious bursal disease virus  
*Mycoplasma gallisepticum*  
*Mycoplasma synoviae*  
Newcastle disease virus  
    \*\*\**Ornithobacterium*\*\*\* rhinotracheale  
*Pasteurella multocida*  
Poultry  
*Salmonella*  
*Salmonella enterica enterica gallinarum*  
*Salmonella enteritidis*  
*Salmonella typhimurium*  
Turkey rhinotracheitis virus  
    \*\*\*Vaccines\*\*\*  
    (use of recA- *Salmonella* carrying a heterologous antigen gene in \*\*\*vaccines\*\*\* against infection in poultry)

IT Antigens  
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
    (use of recA- *Salmonella* carrying a heterologous antigen gene in \*\*\*vaccines\*\*\* against infection in poultry)

IT Infection  
(viral; use of recA- *Salmonella* carrying a heterologous antigen gene in \*\*\*vaccines\*\*\* against infection in poultry)

=> s 18 and (RecA or PurD)  
L11                   1 L8 AND (RECA OR PURD)

=> d

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2002:391558 CAPLUS <<LOGINID::20090421>>  
DN 136:384973  
TI *Salmonella* \*\*\*vaccine\*\*\*  
IN Nuijten, Petrus Johannes Maria; Witvliet, Maarten Hendrik  
PA Akzo Nobel N.V., Neth.  
SO PCT Int. Appl., 22 pp.  
CODEN: PIXXD2  
DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002040046	A1	20020523	WO 2001-EP13396	20011115
	W: AE, AG, AL, AU, BA, BB, BG, BR, BZ, CA, CN, CO, CR, CU, CZ, DM, DZ, EC, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, RO, RU, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2429120	A1	20020523	CA 2001-2429120	20011115
	AU 2002017043	A	20020527	AU 2002-17043	20011115
	EP 1345621	A1	20030924	EP 2001-996389	20011115
	EP 1345621	B1	20081112		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	HU 2003002612	A2	20031128	HU 2003-2612	20011115
	HU 2003002612	A3	20041028		
	JP 2004513646	T	20040513	JP 2002-542418	20011115
	AT 413888	T	20081115	AT 2001-996389	20011115
	ES 2316492	T3	20090416	ES 2001-996389	20011115
	US 20040052802	A1	20040318	US 2003-432102	20030516
	US 7045122	B2	20060516		
PRAI	EP 2000-204022	A	20001116		
	EP 2000-204387	A	20001208		
	WO 2001-EP13396	W	20011115		

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT